

## CHAPTER 8

### RIGGING FARE IN AN M998, 1 1/4-TON TRUCK (HMMWV) FOR LOW-VELOCITY AIRDROP ON A TYPE V PLATFORM

#### 8-1. Description of Load

The M998, 1 1/4-ton cargo truck is rigged on a 16-foot, type V airdrop platform for low-velocity airdrop. Except for the rigging procedures in this chapter, the truck is rigged according to FM 10-517/TO 13C7-1-111. The FARE is stowed in the cargo bed of the truck as an accompanying load. The FARE weighs 860 pounds. The completely rigged load requires three G-11A or two G-11B cargo parachutes.

#### 8-2. Preparing Platform and Truck

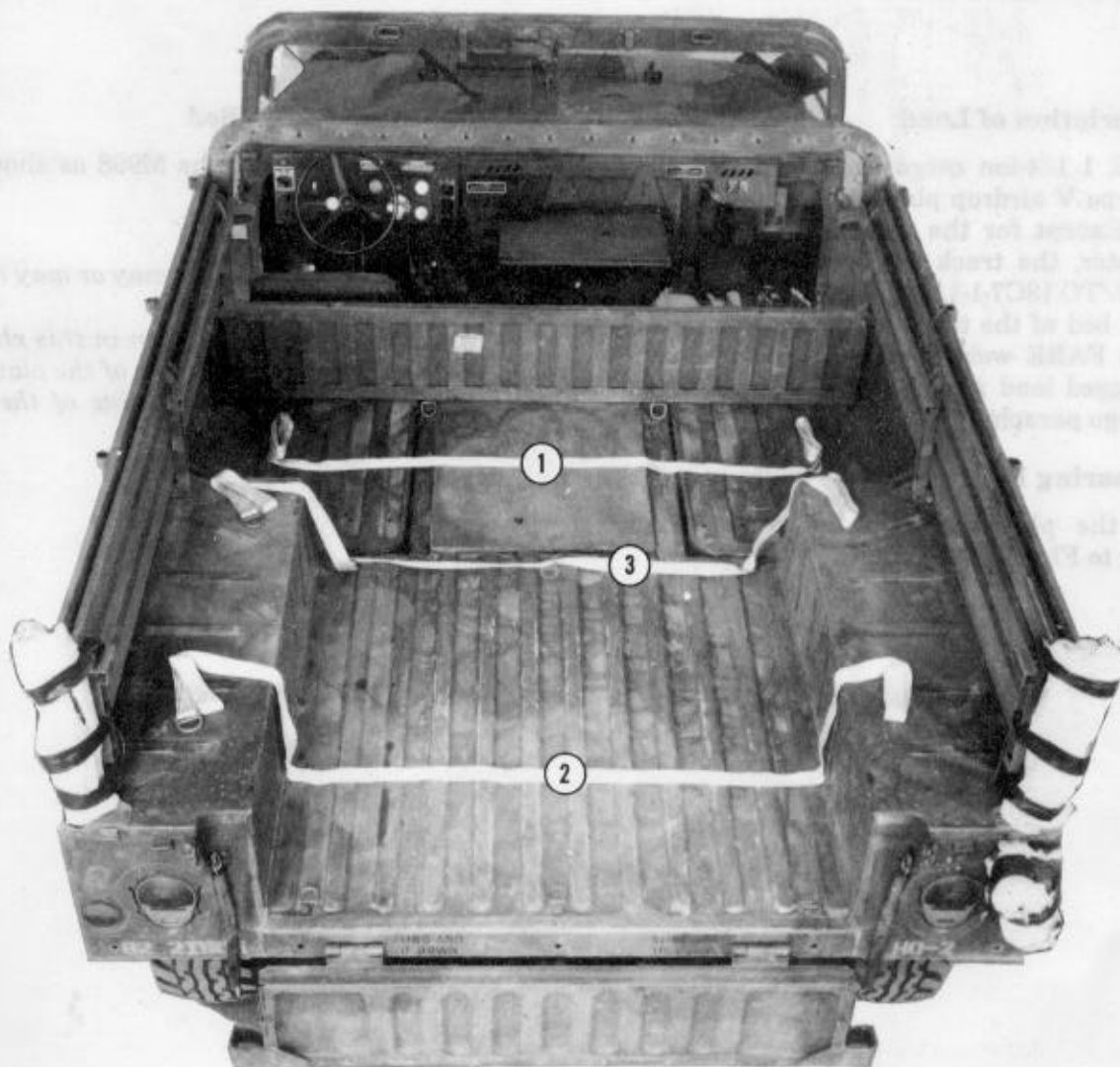
Prepare the platform and the M998 truck according to FM 10-517/TO 13C7-1-111.

#### 8-3. Preparing Cargo Bed

Prepare the cargo bed of the M998 as shown in Figure 8-1.

**Notes:**

- 1. The nose bumper may or may not be installed.*
- 2. Measurements given in this chapter are from the front edge of the platform, NOT from the front edge of the nose bumper.*

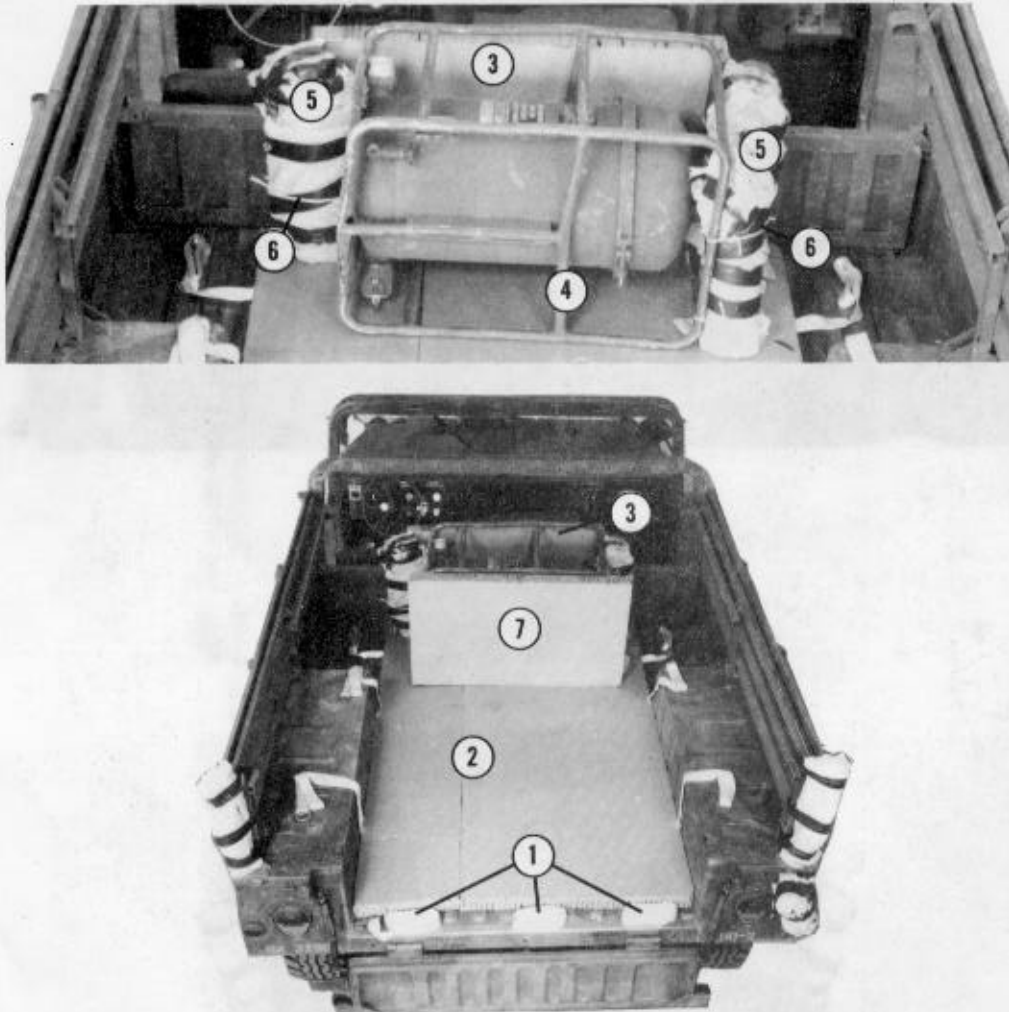


- ① Lay a 15-foot lashing across the cargo bed 14 inches from the back of the seats.
- ② Lay a 15-foot lashing across the cargo bed 18 inches from the rear edge of the cargo bed.
- ③ Pass a 15-foot lashing through the center tie-down rings.

*Figure 8-1. Cargo bed prepared*

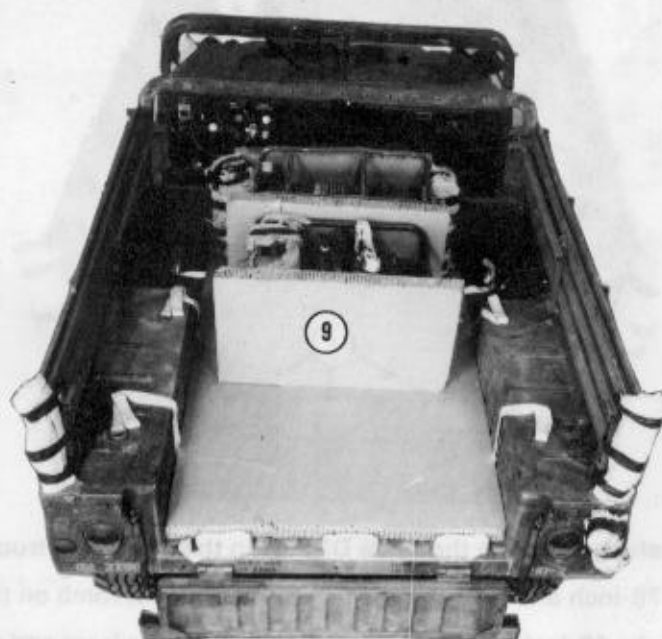
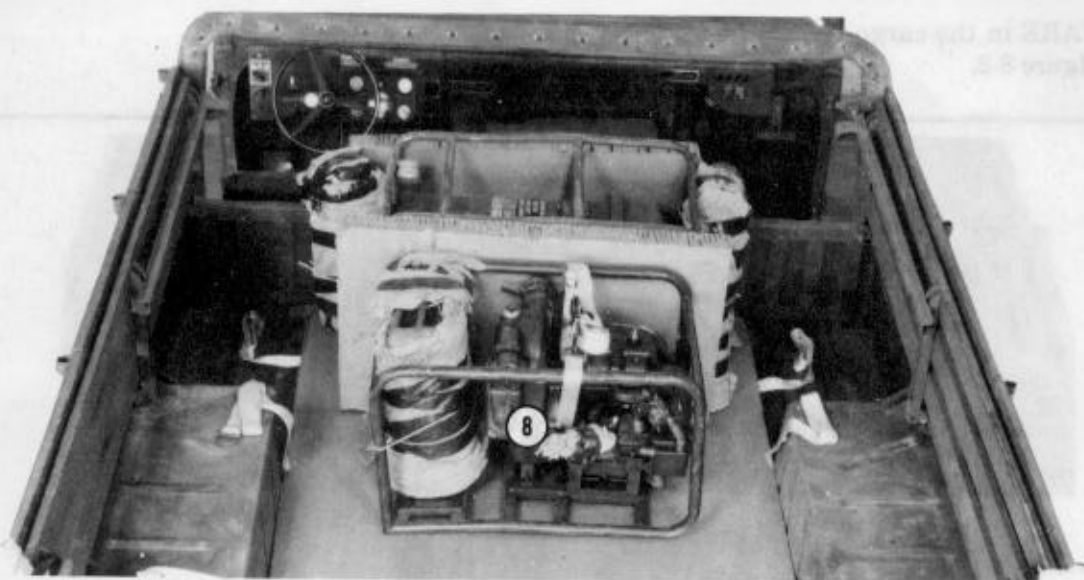
#### 8-4. Placing FARE in Cargo Bed

Place the FARE in the cargo bed of the M998 as shown in Figure 8-2.



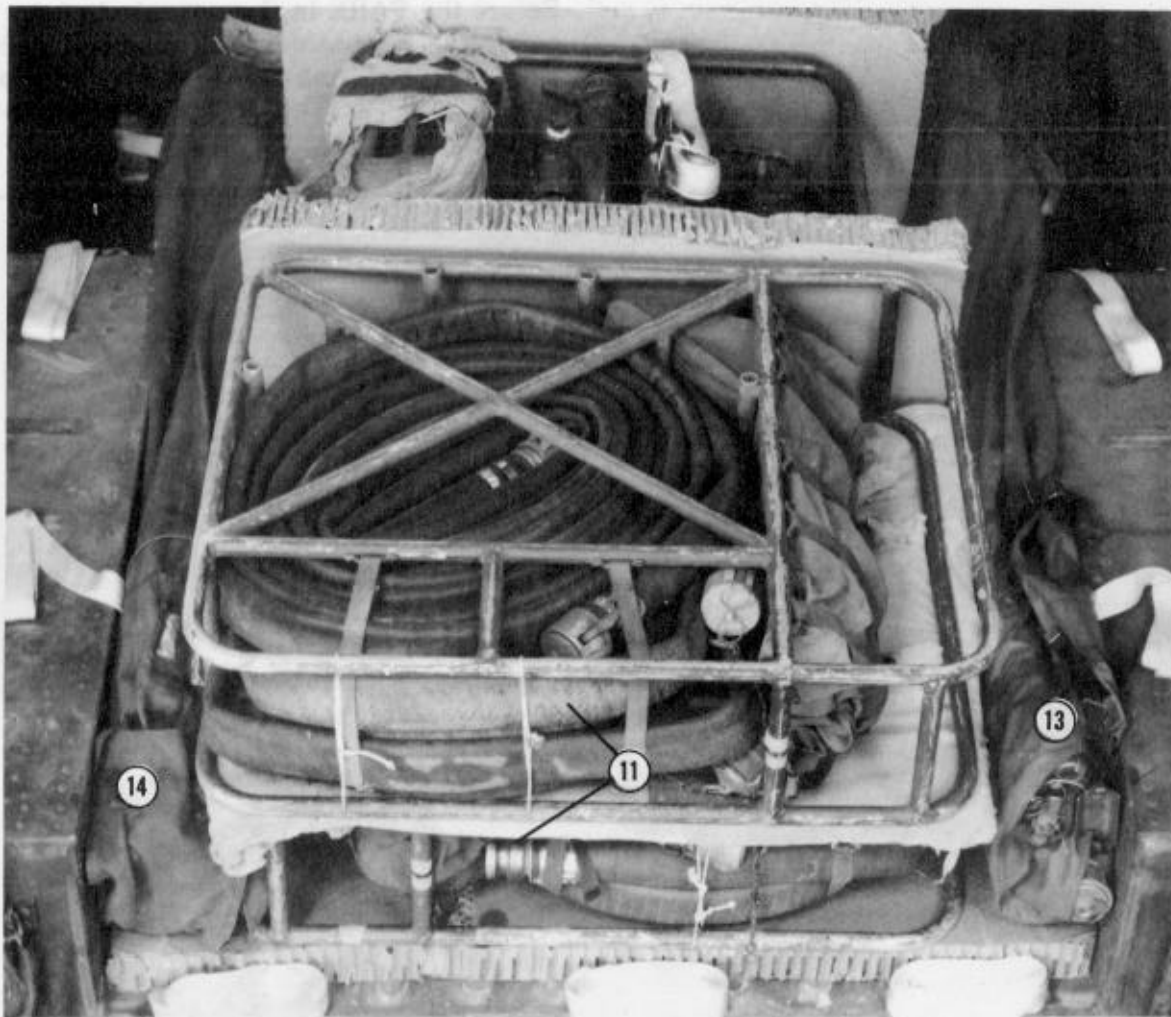
- ① Pass three lashings through the three D-rings in the bed of the truck.
- ② Set a 36- by 78-inch and a 16- by 78-inch piece of honeycomb on the carrier floor.
- ③ Position a 24- by 40-inch piece of honeycomb against the front end of the cargo bed.
- ④ Place the filter/separator assembly in its frame against the 24- by 40-inch piece of honeycomb.
- ⑤ Wrap three fire extinguishers in a layer of cellulose wadding. Secure the cellulose wadding with cloth-backed tape.
- ⑥ Secure the fire extinguishers to the filter/separator frame with a length of type III nylon cord.
- ⑦ Place a 24- by 40-inch piece of honeycomb flush against the filter/separator frame.

Figure 8-2. FARE placed in cargo bed



- ⑧ Prepare the pump/engine assembly as shown in Figure 6-9. Place the pump/engine assembly flush against the 24- by 40-inch piece of honeycomb placed in step 7.
- ⑨ Place a 24- by 40-inch piece of honeycomb flush against the pump/engine assembly.

Figure 8-2. FARE placed in cargo bed (continued)



- ⑩ Prepare the discharge hose frame assemblies as shown in Figure 6-7 (not shown).
- ⑪ Place one discharge hose frame assembly on the honeycomb in the cargo bed. Place a layer of cellulose wadding on top of the frame. Place another discharge hose frame assembly on top of the cellulose wadding.

**Note:** *Make sure the discharge hose accessory fittings placed in the accessory storage compartment are secured to the discharge hose frame.*

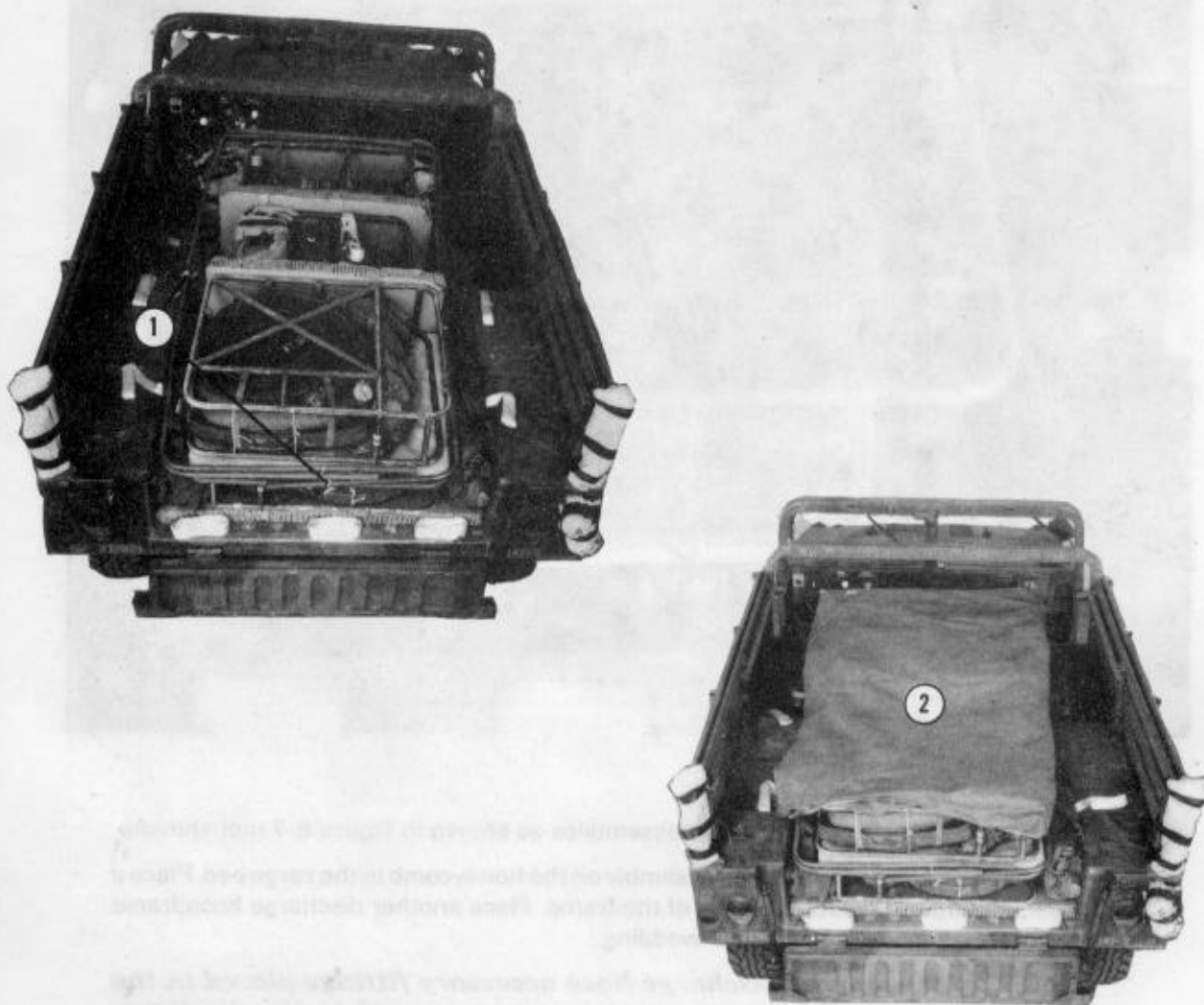
- ⑫ Prepare the ground rods and suction hoses as shown in Figure 6-12 (not shown).
- ⑬ Place a suction hose bag on the right side of the FARE on top of the honeycomb in the cargo bed.
- ⑭ Place a suction hose bag on the left side of the FARE on top of the honeycomb in the cargo bed.

Figure 8-2. FARE placed in cargo bed (continued)



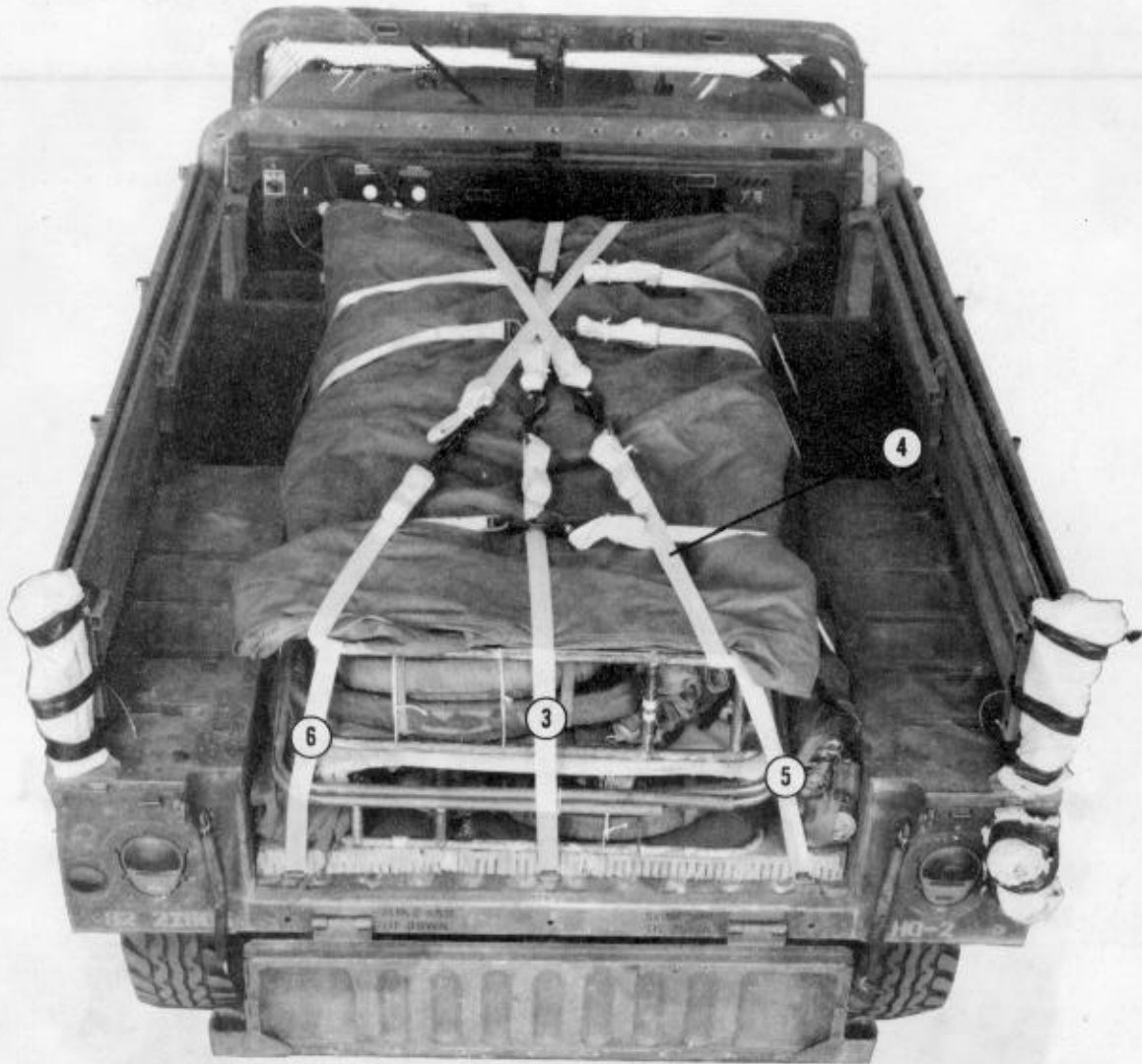
### 8-5. Securing FARE

Secure the FARE in the cargo bed of the M998 using the pre-positioned lashings. Secure the lashings with D-rings and load binders according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 8-3.



- ① Place the truck tarpaulin bows on top of the suction hose bags. Tie the bows together with a length of type III nylon cord.
- ② Place the truck tarpaulin cover over the FARE. Fold the ends under to ensure a neat appearance.

Figure 8-3. FARE secured

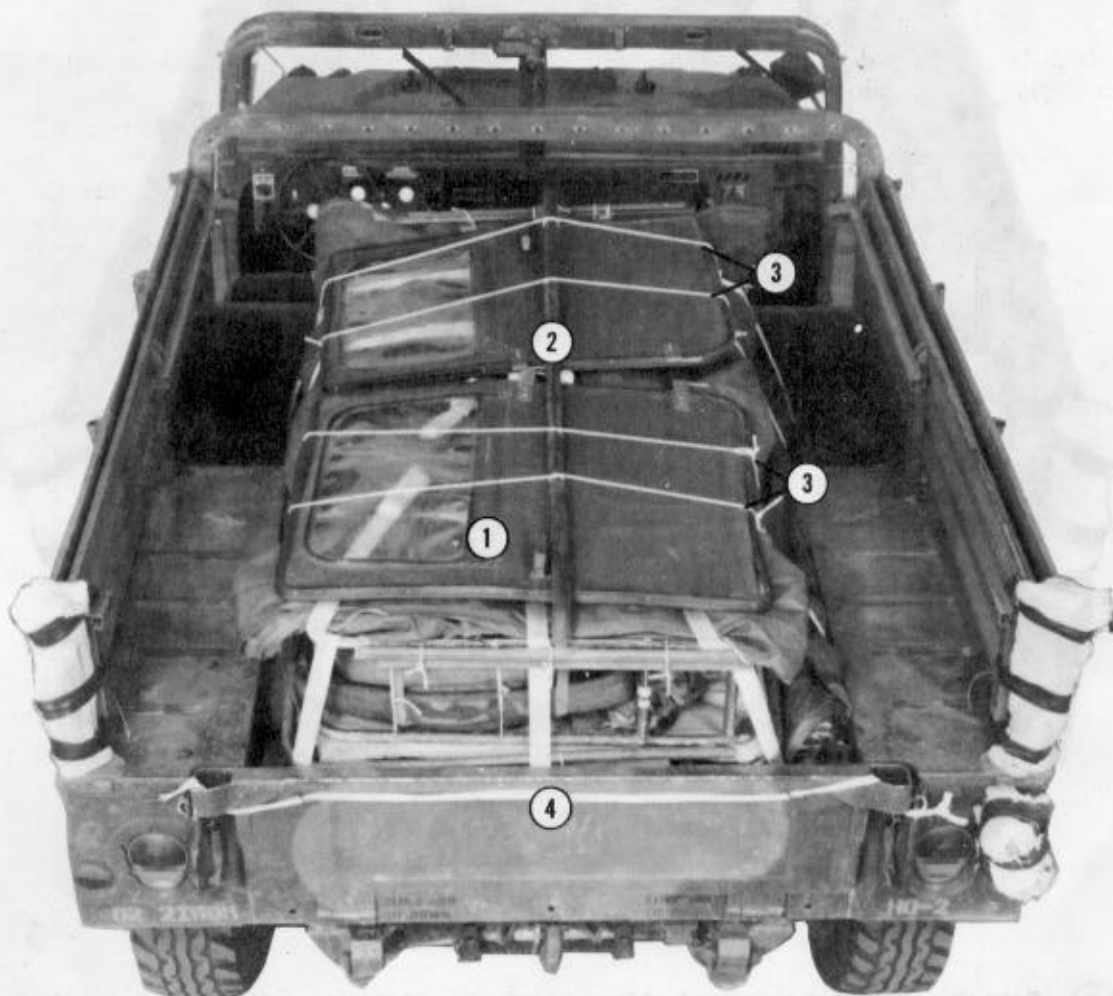


- ③ Pass the ends of the center lashing over the top of the tarpaulin, and secure the lashing in place.
- ④ Pass the ends of the three horizontal lashings over the top of the tarpaulin, and secure them in place.
- ⑤ Pass the right rear lashing over and around the discharge hose assembly to the top of the tarpaulin. Pass the left front lashing over the tarpaulin to meet the right rear lashing. Secure the lashing in place.
- ⑥ Pass the left rear lashing over and around the discharge hose assembly to the top of the tarpaulin. Pass the right front lashing over the tarpaulin to meet the left rear lashing. Secure the lashing in place.

Figure 8-3. FARE secured (continued)

## 8-6. Securing Accessories

Secure the accessories on the tarpaulin as shown in Figure 8-4.



- ① Place the doors on top of the tarpaulin.
- ② Place the frame support on top of the doors.
- ③ Secure the doors to the bows using a length of type III nylon cord.
- ④ Close the tailgate, and secure it in place with a double length of 1/2-inch tubular nylon webbing. Tie the ends using three alternating half hitches and an overhand knot in the ends.

Figure 8-4. Accessories secured



**Table 8-1. Equipment required for rigging FARE in an M998, 1 1/4-ton truck for low-velocity airdrop on a type V platform**

National Stock Number	Item	Quantity
4020-00-240-2146	Cord, nylon, type III, 550-lb .....	As required
8135-00-664-6958	Cushioning material, packaging, cellulose wadding .....	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-in: .....	4 sheets
	16- by 78-in .....	(1)
	22- by 23-in .....	(1)
	22- by 94-in .....	(1)
	24- by 40-in .....	(3)
	36- by 78-in .....	(1)
	Tape, adhesive:	
7510-00-266-5016	2-in .....	As required
8125-00-074-5124	Cloth-backed, type IV, 2-in .....	As required
1670-00-937-0271	Tie-down assembly, 15-ft .....	6
	Webbing:	
8305-00-268-2411	Cotton, 1/4-in, type I .....	As required
	Nylon, tubular:	
8305-00-082-5752	1/2-in <u>or</u> .....	As required
8305-00-268-2453	1/2-in .....	As required